

Amendments to the Claims:

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Claims 16 and 23 are amended and claim 29 is added as set forth below.

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1 to 15 (Cancelled).

16. (Currently Amended) A surgical microscope comprising:
 - a viewing unit for viewing an object and said viewing unit defining a viewing beam path;
 - an image projection module for inputting image data into said viewing unit;
 - 5 said image projection module including an image display unit for displaying said image data;
 - an image recording module for recording an image of said object supplied by said viewing unit; and,
 - 10 said image recording module including:
 - an image sensor mounted to receive said image data from said image projection module;
 - an image recording beam splitter mounted in said viewing beam path for directing said image of the object onto said image sensor;
 - 15 said image sensor generating an image signal from said image

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of said object for display on a monitor;

a recording device for receiving said image signal and
recording said image data and said image of said object; and,
said recording device including an image mixer for receiving
both said image data and said image of said object as electronic
image data in the form of said image signal and for mixing said
electronic image data therein.

17. (Previously Presented) The surgical microscope of claim 16,
wherein said image projection module includes a plano-convex lens
and a plano-concave lens mounted downstream of said image display
unit.

18. (Previously Presented) The surgical microscope of claim 16,
wherein said plano-convex lens has a first focal length and said
plano-concave lens has a second focal length; and, the ratio of
said first focal length and said second focal length lies within
5 a range from 1.9 to 2.5.

19. (Previously Presented) The surgical microscope of claim 16,
wherein said viewing unit defines a viewing beam path; and, said
image projection module includes a beam splitter mounted in said
viewing beam path.

20. (Previously Presented) The surgical microscope of claim 19,
wherein said plano-convex lens is a first plano-convex lens; said
image projection unit further includes a concave-convex lens and
a second plano-convex lens; and, said first plano-convex lens,

5 said plano-concave lens, said concave-convex lens and said second
plano-convex lens all are arranged between said image display
unit and said beam splitter.

21. (Previously Presented) The surgical microscope of claim 16,
wherein the brightness of said image display unit is increased by
providing a time-dependent sequential illumination of a
reflection display with only a single color.

22. (Previously Presented) The surgical microscope of claim 16,
wherein said image projection module has an input for receiving
said image data as electronic image data and said image mixer is
connected directly to said input for receiving said image data as
5 said electronic image data applied to said input.

23. (Currently Amended) A surgical microscope comprising:
a viewing unit for viewing an object and said viewing unit
defining a viewing beam path;
an image projection module for inputting image data into
5 said viewing unit;
said image projection module including an image display unit
for displaying said image data;
an image recording module for recording an image of said
object supplied by said viewing unit; and,
10 said image recording module including:
an image sensor mounted to receive said image data from said
image projection module;
an image recording beam splitter mounted in said viewing

beam path for directing said image of the object onto said image
15 sensor;

said image sensor generating an image signal from said image
data and from said image of said object for display on a monitor;
a recording device connected to said image sensor for
receiving said image signal and recording said image data and
20 said image of said object; and,

a device for synchronizing the illumination of said image
display unit with said image sensor to avoid flickering.

24. (Previously Presented) The surgical microscope of claim 23,
wherein said image projection module includes a plano-convex lens
and a plano-concave lens mounted downstream of said image display
unit.

25. (Previously Presented) The surgical microscope of claim 23,
wherein said plano-convex lens has a first focal length and said
plano-concave lens has a second focal length; and, the ratio of
said first focal length and said second focal length lies within
5 a range from 1.9 to 2.5.

26. (Previously Presented) The surgical microscope of claim 23,
wherein said viewing unit defines a viewing beam path; and, said
image projection module includes a beam splitter mounted in said
viewing beam path.

27. (Previously Presented) The surgical microscope of claim 26,
wherein said plano-convex lens is a first plano-convex lens; said

image projection unit further includes a concave-convex lens and a second plano-convex lens; and, said first plano-convex lens, 5 said plano-concave lens, said concave-convex lens and said second plano-convex lens all are arranged between said image display unit and said beam splitter.

28. (Previously Presented) The surgical microscope of claim 23, wherein the brightness of said image display unit is increased by providing a time-dependent sequential illumination of a reflection display with only a single color.

29. (New) The surgical microscope of claim 23, wherein said image display unit includes a reflection display illuminated sequentially with different colors as a function of time.